

SCIENCE

And Technology Program



Theme Area: Facilities and Infrastructure
Program Area: Materials and Geotechnical
Project No.: FI00.01
Project Title: Polyethylene Encasement for Pipeline Applications
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Abstract: The water industry has, for a number of years, used polyethylene encasement of ductile iron pipe as a means of corrosion mitigation. On recent projects the use of polyethylene encasement has been heavily debated. As a result of these debates it has been noted that Reclamation has limited information on the use of polyethylene encasement for pipeline applications, especially from the cathodic protection standpoint. It is necessary to compile relevant information to assess the use of polyethylene encasement as a corrosion mitigation measure for pipeline materials, including cathodic protection of polyethylene encased pipelines.

Partners of this research project include Reclamation's Dakotas Area Office, Southwest Pipeline Association, and WEB Water Development Association.

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